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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/473,598	12/29/1999	RAYMOND C. EDMONDS	042390.P7353	1187

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EXAMINER

ABDULSELAM, ABBAS I

ART UNIT

PAPER NUMBER

2674

DATE MAILED: 04/23/2003

14

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/473,598

Applicant(s)

RAYMOND C. EDMONDS

Examiner

Abbas I Abdulsalam

Art Unit

2674

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 20 February 2003.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-5,8-13,15-22 and 24-27 is/are pending in the application.

4a) Of the above claim(s) _____ is/are withdrawn from consideration.

- 5) ☐ Claim(s) _____ is/are allowed.

- 6) ☒ Claim(s) 1-5,8-13,15-22 and 24-27 is/are rejected.

- 7) ☐ Claim(s) _____ is/are objected to.

- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on _____ is: a) ☐ approved b) ☐ disapproved by the Examiner.
If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. §§ 119 and 120

- 13) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
* See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892) 4) ☐ Interview Summary (PTO-413) Paper No(s). _____
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948) 5) ☐ Notice of Informal Patent Application (PTO-152)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449) Paper No(s) _____ 6) ☐ Other: _____

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DETAILED ACTION

Claim Rejections 35 U.S.C. 103

1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 1-5, 8-13, 15-22 and 24-27 are rejected under 35 U.S.C. 103(a) as being unpatentable over Molloy (USPN 6078349) in view Suzuki et al (USPN 5457675) and Ludtke et al. (USPN 6501441).

Regarding claims 1, and 22, Molloy teaches data transmission system including the first processor storing the updated information in the first memory, the second processor executing a software in a second memory as well as retrieving information from the second memory and video receivers (36) along with remote transmitting locations. See column 10, lines 18-21. In addition to suitable communications link (25), Molloy teaches accessibility of remote video games through communication network. See column 11, lines 29-34. However, Molloy does not teach about updating the memory and communicating over the communication channel only portions of video image that have changed. Suzuki on the other hand teaches reading updating picture data from memory (S8) and sending the updating picture data to decoder (S9) (Fig 4). Suzuki discloses the updating picture data storage area (31) of Ram (30) and transmission of only the updating picture data to the MPEG decoder for the next picture making. See col. 5, lines 21-28 and Fig 1.

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Therefore it would have been obvious to one skill in the art at the time at the time of the invention was made to modify Molly's video transmission process to include Suzuki's method of updated data transmission and storage. One would have been motivated in view of the suggestion in Suzuki that the updated data transmission and storing as utilized in Fig 1 are equivalent to the desired communication of only the video image that have changed. The use of updated data transmission helps function video image reproducing device as taught by Suzuki.

Molloy has been described above. However, Molloy does not teach the use of multiple display devices over a common communication channel. Ludtke on the other hand teaches the use of wall of video configurations including multiple display devices arranged together as shown in Fig 2.

Therefore, it would have been obvious to having skill in the art at the time the invention was made to modify Molloy's video transmission process to include Ludtke's use of multiple display devices. One would have been motivated in view of the suggestion in Ludtke that the use of multiple display devices helps function a video presentation as taught by Ludtke et al.

Regarding claim 2, Molly teaches about the first processor execution steps in which a retrieval of the first packaged data takes place. See column 8, lines 64-67, column 9, lines 1-4, and Fig 4 (88).

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Regarding claim 3, Molloy teaches the relationship between the extent of image updates and the information that must be transmitted per unit time. See column 1, lines 32-36.

Regarding claims 4-5 and 10-11, Molloy teaches the frequency of updates which could be viewer adjustable or set by manufacturers See column 6, lines 16-18.

Regarding claims 8-9 and 24-26, Molloy teaches communications link (25) which can be computer network or other suitable means. See column 4, lines 7-10.

Regarding claim 21, Molloy teaches a display made of CRT. See column 1, lines 41-46.

Regarding claim 12, Molloy teaches that each video receiver supplies a video display device (14) for updating ; and each device contains a processor. See column 10, lines 11-17.

Regarding claim 13, see Figure 2 (78). Furthermore, Molloy teaches about prioritizing one type of transmission over the other, and overriding one particular transmission over the other due to insufficient time. See column 8, lines 34-39.

Regarding claim 18, Molly teaches the changing of the size pixels (68) from small size to large size. See column 4, lines 58-62.

Regarding claims 15-17 and 19-20, Ludtke teaches the display circuit displaying the scaled image section at an appropriate time specified by a master device which is coupled to a communication circuit configured for receiving and transmitting data.

Regarding claim 27, see Suzuki's Fig. 8

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Conclusion

2. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. The following arts are cited for further reference.

U.S. Pat. No. Scorse et al.

U.S. Pat. No. Allmendinger

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3. Any inquiry concerning this communication or earlier communications from the examiner should be directed to **Abbas Abdulsalam** whose telephone number is **(703) 305-8591**. The examiner can normally be reached on Monday through Friday (9:00-5:30).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, **Richard Hjerpe**, can be reached at (703) 305-4709.

Any response to this actions should be mailed to :

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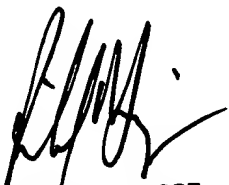
Washington, D.C. 20231

or faxed to :

(703) 872-9314

Hand delivered responses should be brought to Crystal Park II, Crystal Drive, Arlington, VA, Sixth Floor (Receptionist).

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the technology Center 2600 Customer Service office whose telephone number is (703) 306-0377.


RICHARD HJERPE
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2600

Abbas Abdulsalam

Examiner

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